

**Remarks/Arguments:**

Claims 1-10 and 12-17 are pending and stand rejected.

By this Amendment, claims 1, 6, 12 and 17 are amended.

No new matter is presented by the claim amendments. Support for the claim amendments can be found throughout the original specification and, for example, in the original specification at page 6, lines 14-21; page 17, lines 10-15; page 25, lines 10-25; and the paragraphs spanning pages 28 and 29.

**Examiner Interview**

An Examiner Interview was conducted between Applicant's Representatives Lawrence E. Ashery and Eric Berkowitz and Examiner Li. The Examiner is thanked for his efforts.

During the Examiner Interview, Applicant's Representatives reviewed proposed claims 1 and 12 regarding the patentability of these claims over the cited art. The Examiner agreed that the proposed claims overcame the present rejection, but stated that a new search would be necessary.

**Rejection of Claims 12 and 14 under 35 U.S.C. § 102(e)**

In the Office Action, at item 6, claims 12 and 14 are rejected under 35 U.S.C. § 102(e) as anticipated by Takeda et al. (U.S. Patent No. 7,328,014, hereafter referred to as Takeda).

Reconsideration is respectfully requested.

**Claim 12**

Claim 12 is directed to a mobile terminal, and recites:

... said mobile IP processing unit further transmits another response message in which the state of its mobile router processing is written, wherein the state of its mobile router processing indicates an operation of the mobile terminal between a first mode in which the mobile terminal acts as a mobile router and a second mode in which the mobile terminal

does not act as the mobile router, (hereafter referred to as the mobile router processing feature).

That is, the state of its (the mobile terminal's) mobile router processing indicates an operation of the mobile terminal between: (1) a first mode (in which the mobile terminal acts as a mobile router) and (2) a second mode (in which the mobile terminal does not act as the mobile router).

### **Takeda Reference**

In the Office Action, at page 4, the Examiner contends that:

... said mobile IP processing unit further transmits another response message in which the state of its mobile router processing is written (binding acknowledgement message sent back that binding have [sic] been received 'If a binding acknowledgement (155) was received showing that the binding update (location registration) ended normally, then a home address is created from the prefix information received in step 113 and the MN3 interface identifier (114)' see Takeda: col. 15 lines 34-48) for verifying an existence of the mobile terminal connected on a link ...

The Examiner appears to rely on a portion of Takeda the shows conventional binding update and binding acknowledgement messages being sent between the home agent and the mobile node. At the portion cited by the Examiner, Takeda is silent regarding mobile router processing that indicates an operation between a first mode (i.e., in which the mobile terminal acts as a mobile router) and a second mode (i.e., in which the mobile terminal does not act as a mobile router).

Accordingly, claim 12 is submitted to patentably distinguish over Takeda for at least the above-mentioned reasons.

### **Claim 14**

Claim 14, which includes all the limitations of claim 12, is submitted to patentably distinguish over Takeda for at least the same reasons as claim 12.

**Rejection of Claims 1-10 and 12-17 under 35 U.S.C. § 103(a)**

In the Office Action, at item 9, claims 1-10 and 15-17 are rejected under 35 U.S.C. § 103(a) as unpatentable over Takeda in view of Milne et al. (U.S. Patent No. 5,848,069, hereafter referred to as Milne).

Reconsideration is respectfully requested.

**Claim 1**

Claim 1 is directed to a home link setting method at a time of activating or initiating a home gateway device having a home agent function for accommodating terminals including a first mobile terminal, and recites:

... responsive to activating or initiating the home gateway device, connecting the home gateway device with the plurality of communication links, by the home gateway device, (hereafter referred to as the connection feature).

That is, the connection of the home gateway device with the plurality of communication links is responsive to activating (or initializing) the home gateway device.

**Takeda Reference**

In the Office Action, at page 6, the Examiner acknowledges that Takeda does not explicitly disclose "establishing, by the home gateway device, connections with the plurality of communication links ..."

Applicant respectfully agrees with the Examiner's acknowledgement and further submits that Takeda is silent regarding the connection feature, as recited in claim 1.

**Milne Reference**

In the Office Action, at page 6, the Examiner contends that Milne teaches:

... establishing, by the home gateway device, connections with the plurality of communication links (SS7 distributing message to the devices 30 through the communication links 'The signaling system 7 (SS7) mechanism for distributing message traffic among M links in linkset 10 is to use an 8-bit field in the

message called the signaling link selection code (SLS)' see  
Milne: col.2 [sic] lines 46-62) ...

At the portion of Milne cited by the Examiner, the signaling system mechanism is disclosed to distribute message traffic among M links and linkset 10. Milne, however, is silent regarding the establishment of a connection between, for example, devices 1, 2 .. N (elements 30 in Fig. 3 of Milne) and input links 32 or output linkset 34 based on a condition (i.e., responsive to activating or initializing the home gateway device). This is because, Milne does not contemplate activation or initialization operations, and thus, is silent regarding the connection feature recited in claim 1.

Accordingly, claim 1 is submitted to patentably distinguish over Takeda in view of Milne for at least the above-mentioned reasons.

#### **Claims 6 and 17**

Claims 6 and 17, which include similar but not identical features to those of claim 1, are submitted to patentably distinguish over Takeda in view of Milne for at least similar reasons to those regarding claim 1. For example, claim 6 includes a similar feature, namely "... a home agent setting unit executing settings at a time of activating or initializing the home gateway device in the home agent processing unit ...," (emphasis added).

#### **Claims 2-5, 7-10 and 15-16**

Claims 1-5, 7-10 and 15-16, which include all of the limitations of their respective independent claims, are submitted to patentably distinguish over Takeda in view of Milne for at least the same reasons as their respective independent claims.

#### **Rejection of Claim 13 under 35 U.S.C. § 103(a)**

In the Office Action, at item 23, claim 13 is rejected under 35 U.S.C. § 103(a) as unpatentable over Takeda in view of Leung (U.S. Patent No. 6,466,964).

Reconsideration is respectfully requested.

Claim 13, which includes all of the limitations of claim 12, is submitted to patentably distinguish over Takeda for at least the same reasons as claim 12.

The addition of Leung does not overcome the deficiencies of Takeda. This is because, Leung does not disclose or suggest the mobile router processing feature recited in claim 12. Leung, which teaches movement of a mobile node (NOT a mobile router) between home agent 8 and foreign agent 10, does not contemplate the operation of a mobile terminal in two different modes (i.e., between a first mode (in which the mobile terminal acts as a mobile router) and a second mode (in which the mobile terminal does not act as the mobile router)). That is, Leung does not use different modes for the mobile node moving between networks.

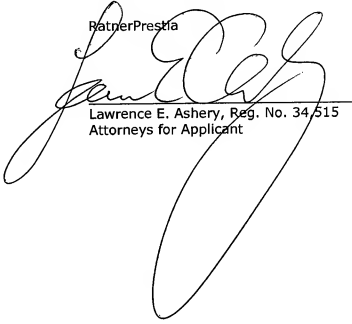
Accordingly, claim 13 is submitted to patentably distinguish over Takeda in view of Leung for at least the same reasons as claim 12.

**Conclusion**

In view of the claim amendments and remarks, Applicant submits the application is in condition for allowance, which action is respectfully requested.

Respectfully submitted,

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